NEO® E Series

Automated Tape Libraries offer effortless backup and archive capabilities

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. Designed to address the most challenging midrange data storage requirements, NEO E Series libraries deliver embedded capabilities to ensure your backups are faster, smarter, easier and more affordable.

Technology leadership

Designed for the simplest to the most complex data centers, NEO E Series libraries provide industry-leading embedded connectivity to ensure seamless integration into your SCSI, SAS, Fibre Channel or iSCSI-based network infrastructures. Overland patented technologies, such as library partitioning, enable the efficient backup and archive of data across various applications throughout your entire data center.

Superior reliability

Whether it's the simplified design, superior processing technology, high-performance robotic handling, redundant power, or redundant robotics, NEO E Series libraries deliver industry-leading reliability that is second to none, ensuring that your data is readily accessible and always available.

Flexibility

NEO E delivers the flexibility needed to accommodate ever-changing data storage requirements. The modular design allows you to scale both 30-cartridge and 60-cartridge modules together in an almost limitless combination of capacity and performance. Scaled units can also be de-coupled and redeployed for smaller data protection needs.

Ease of use

NEO E libraries provide simplified installation, setup and operation utilizing convenient touch-screen user interfaces, web-based remote management and direct-connect interfaces. Media handling is simplified with the use of configurable mail slots and removable cartridge magazines. All NEO E Series useability features are aimed at minimizing the use of valuable time, money and personnel.

Embedded intelligence

Making your backups "smarter" means you spend less time managing your data, ultimately making your backup process more reliable. NEO E Series embedded diagnostics provide proactive remote monitoring capability, alerting you to potential failures in the backup process.

Highlights

NEO 2000 E

- Redundant robotics for improved data availability[1]
- Supports AES 256-bit encryption
- Compatible with NEO 4000 E modules
- Easily integrates with disk-based backup
- Capacity ranging from 12TB to 96TB per module[2]

NEO 4000 E

- Redundant robotics for improved data availability[1]
- Supports AES 256-bit encryption
- Compatible with NEO 2000 E modules
- Easily integrates with disk-based backup
- Capacity ranging from 24TB to 192TB per module[2]

[1]In multi-module environments
[2]Assumes compression ratio of 2:1. Actual performance may vary with the application.

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Specifications

Library Configuration	NEO 2000 E			NEO 4000 E		
#of cartridge slots	30			60		
#of magazines	2			4		
#of slots per magazine	15			15		
#of mail slots (per module)	0, 1 or 15			0, 1, 2, 15 or 30		
#of modules supported	Up to 8			Up to 4		
#of tape drives (per module)	Up to 2			Up to 4		
Drive types supported	LTO-5, LTO-4, LTO-3			LTO-5, LTO-4, LTO-3		
Capacity(per module)	LTO-5	LTO4	LTO-3	LTO-5	LTO-4	LTO-3
Maximum native capacity	45TB	24TB	12TB	90TB	48TB	24TB
Maximum compressed capacity	90TB	48TB	24TB	180TB	96TB	48TB
Performance (per module)						
Maximum native data transfer rate	1TB/hr	864GB/hr	1GB/hr	2TB/hr	1.7TB/hr	1.2TB/hr
Maximum compressed data transfer rate	2TB/hr	1.7TB	1.2TB/hr	4TB/hr	3.4TB/hr	2.4TB/hr
Interfaces	6Gb SAS 8Gb FC iSCSI option	3Gb SAS 4Gb FC U320 SCSI iSCSI option	3Gb SAS 2Gb FC U320 SCSI iSCSI option	6Gb SAS 8Gb FC iSCSI option	3Gb SAS 4Gb FC U320 SCSI iSCSI option	3Gb SAS 2Gb FC U320 SCSI iSCSI option
Dimensions						
HxWxD	8.75 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm)			8.75 in x 16.7 in x 31 in (22.25 cm x 42.42 cm x 78.74 cm)		
Rack height	5u			10u		
Weight (standard)	66 lbs/ 30 kg (with 2 drives)			171 lbs/78 kg (with 4 drives)		
Weight (packaged)	99 lbs/45 kg (with 2 drives)			199 lbs/90 kg (with 4 drives)		
Reliability						
MCBF (mean cycles between failures)	>4,000,000 cycles					
MTTR (mean time to repair)	< 10 minutes					
Environmental						
Temperature	-40°C to 60°C			-40°C to 60°C		
Humidity	5-95%			5-95%		
Voltage	100-240 VAC			100-240 VAC		
Frequency	50-60 Hz			50-60 Hz		
Power	192 watts			344 watts		
Agency Approvals						
Safety	UL, CUL, CE, TUV					
Emissions	FCC, ICES, CE, VCCI, BSMI					
International compliance	CUL (Canada), CE (Europe), GS (Germany), VCCI (Japan), BSMI (Taiwan), RoHS, WEE					
Accessories Included	US power cord, serial cable, barcode labels (data and cleaning cartridge), user documentation, warranty information(SCSI terminator included in SCSI configurations)					
Optional Accessories	LTO-5 media, LTO-4 media, LTO-3 media, Partitioning upgrade, expansion modules, LTO-5 SAS connectivity kit					
Warranty	1 year onsite; warranty extensions and upgrades available					

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